

# SHEPHARD-WESNITZER, INC.

CIVIL ENGINEERING AND SURVEYING, NATURALLY

110 WEST DALE AVENUE, FLAGSTAFF, ARIZONA 86001

JOB #99161.012

## 90% Engineer's Opinion of Probable Quantities and Cost of Construction

### Hashknife Trail County Improvement District

Baderville, Coconino County, Arizona

July 31, 2007

ITEM NO.	NOTE NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	COST
<b>ROAD AND DRAINAGE IMPROVEMENTS:</b>						
1	-	Roadway Excavation	C.Y.	1350	\$18.00	\$24,300.00
2	105	Sawcut, Remove and Replace AC Pavement	S.Y.	14	\$25.00	\$350.00
3	106	Remove and Salvage Existing CMP	Each	1	\$200.00	\$200.00
4	107	Install Type 2 Object Marker	Each	1	\$100.00	\$100.00
5	108	Remove and Salvage Wooden Post	Each	10	\$50.00	\$500.00
6	109	Install Delineator	Each	14	\$100.00	\$1,400.00
7	110	Install 6' Type I Single Gate	Each	1	\$500.00	\$500.00
8	111	Install Fence	L.F.	17	\$20.00	\$340.00
9	112	Remove Existing Barbed Wire Fence	L.F.	23	\$10.00	\$230.00
10	124	Relocate Existing Mailbox	Each	4	\$150.00	\$600.00
	200	Construct Roadway:	-	-	-	-
11	-	3" AC Pavement (5,966 S.Y.), Assume density of 145 lb/cf	Tons	1017	\$95.00	\$96,615.00
12	-	5" AB	C.Y.	1275	\$45.00	\$57,375.00
13	-	6" Treated Subgrade (Treatment to be Determined)	S.Y.	5966	\$6.00	\$35,796.00
14	252	Construct AB Driveway	C.Y.	77	\$45.00	\$3,465.00
15	501	Install 15" Metal End Section	Each	6	\$200.00	\$1,200.00
16	502	Install 24" Metal End Section	Each	2	\$300.00	\$600.00
17	519	Install 15" Dia. Aluminized CMP	L.F.	40	\$50.00	\$2,000.00
18	522	Install Roadway Ditch Riprap	C.Y.	181	\$65.00	\$11,765.00
19	550	Construct Concrete Low Water Crossing Extension	S.F.	196	\$55.00	\$10,780.00
20	562	Reset Driveway CMP	L.F.	60	\$20.00	\$1,200.00
21	570	Remove and Reuse Slope Protection Riprap	C.Y.	11	\$45.00	\$495.00
22	580	Utility Relocation	L.S.	1	\$5,000.00	\$5,000.00
23	600	Install Rockery Wall	SF	335	\$20.00	\$6,700.00
24	-	Mobilization	L.S.	1	\$10,000.00	\$10,000.00
25	-	Traffic Control per M.U.T.C.D.	L.S.	1	\$2,500.00	\$2,500.00
26	-	Construction Surveying	L.S.	1	\$8,500.00	\$8,500.00
27	-	Seeding and Erosion Control	L.S.	1	\$3,500.00	\$3,500.00
28	-	Quality Control and Testing	L.S.	1	\$5,000.00	\$5,000.00
29	-	Water, Dust Control	L.S.	1	\$1,000.00	\$1,000.00
		<b>TOTAL CONSTRUCTION COST=</b>				<b>\$292,011.00</b>
<b>CASH INCIDENTALS:</b>						
		Engineering Costs	L.S.	1	\$49,641.87	\$49,642.00
		Construction Administration @ 10% of Const. Cost	T/M	1	\$29,201.10	\$29,201.00
		Bond Counsel	L.S.	1	\$15,000.00	\$15,000.00
		Right of Way Services	L.S.	1	\$2,500.00	\$2,500.00
		District Administration	L.S.	1	\$3,500.00	\$3,500.00
		Printing, Publishing and Postage	L.S.	1	\$500.00	\$500.00
		Financial Consulting Fees	L.S.	1	\$4,000.00	\$4,000.00
		<b>TOTAL BASE CASH COST =</b>				<b>\$396,354.00</b>
		County Contribution =				<b>-\$37,085.40</b>
		<b>TOTAL DISTRICT ASSESSMENT =</b>				<b>\$359,268.60</b>
<b>BOND INCIDENTALS:</b>						
		Capitalized Interest @ 7.5%			\$21,946.03	\$21,946.03
		Reserve Fund			\$0.00	\$0.00
		<b>GRAND TOTAL =</b>				<b>\$381,214.63</b>

Shephard-Wesnitzer, Inc.

7/31/2007

1